



Name :

Roll No. :

Invigilator's Signature :

CS/BHSM/SEM-3(PART-B)/HPM-306/2013

2013

HOTEL MAINTENANCE HOTEL ENGINEERING

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks.

*Candidates are required to give their answers in their own words
as far as practicable.*

GROUP – A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for the following : $10 \times 1 = 10$

i) Unit of power is

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|---------------|-------------------|
| a) volt | b) current |
| c) resistance | d) none of these. |

ii) Fluorescent is a type of

- | | |
|---------|-------------------|
| a) lamp | b) motor |
| c) fan | d) none of these. |

iii) Example of gaseous fuel is

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|-------------------|
| a) methane |
| b) water |
| c) none of these. |



- iv) A thermostat operates due to
- a) sensing the temperature of the surrounding
 - b) expansion of mercury vapour
 - c) expansion of bi-metallic rod
 - d) all of these.
- v) Kilowatt-hour is a unit of
- a) electric power
 - b) electric magnet
 - c) electric potential
 - d) electric energy.
- vi) What is the full form of CFL ?
- a) Chlorine Fluorescent Lamp
 - b) Compact Fluorescent Lamp
 - c) Carbon Filament Lamp
 - d) none of these.
- vii) The unit of the specific resistance in an electric circuit is
- a) watt
 - b) ohm
 - c) ohm-cm
 - d) none of these.
- viii) Which of the following is a good conductor of electricity ?
- a) Wood
 - b) Copper
 - c) Ebonite
 - d) None of these.



ix) Dry chemical powder is used to extinguish

- a) electric fire b) oil fire
- c) wood fire d) none of these.

x) The full form of DC is

- a) Digital Current b) Dial Current
- c) Direct Current d) none of these.

GROUP – B

(Short Answer Type Questions)

Answer any *three* of the following. $3 \times 5 = 15$

2. State the working principle of Loudspeaker.
3. Explain the principle of working of Fluorescent lamp.
4. Define Ohm's law.
5. What is the difference between permanent hardness & temporary hardness of water ?
6. Briefly state the functions of ball-valve and check-valve.

GROUP – C

(Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

7. State the working principle of Television system in detail with suitable sketches.
8. State what are single-phase and three-phase electric power supplies. What is power factor ? $12 + 3$

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9. What is classification of fire ? Explain the ways of extinguishing different classes of fire.
10. State the properties of conductors and insulators with their applications.
11. Write short notes on the following :
 - a) Flushing cistern
 - b) Working principle of fire detectors.

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